

ABSTRACT OF THE DISCLOSURE

5 A sorting conveyor for transporting objects and
unloading objects at one or more unloading stations
adjacent the conveyor. The sorting conveyor includes: a
conveyor track; a train of conveyor carts connected end-
to-end. Each of the conveyor carts includes a trailer
10 frame base having a roller structure for engaging the
conveyor track, an extended fin driven member responsive
to an opposed roller motor assembly, and a hitch
mechanism for connecting each conveyor cart to an
adjacent conveyor cart. The opposed roller motor
15 assembly for moving the conveyor carts on the conveyor
track includes a motor; a support frame attached to the
conveyor track for supporting the motor; and a pair of
cantilevered, drive rollers connected to a motor and
adjacent to each surface of the extended fin driven
20 member for off-setting the mechanical load of the other
drive roller.